



DIVE  
MK 16 UBA  
(5MU)  
Checklist

UPDATED December 2012

**SAFETY REVIEW ITEMS - MK 16 UBA**

**A. ADMINISTRATION**

1. (B1A0) ARE PERSONNEL USING MK-16 QUALIFIED IN ITS OPERATIONAL USE AND MAINTENANCE?

REF: NAVSEA SS600-AH-MMA-010, MK-16 MOD 0

NAVSEA SS600-AQ-MMO-010, MK-16 MOD 1

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

---

2. (B1B0) ARE THE MK-16 UBA INITIAL SETUP, PRE-DIVE AND POST-DIVE CHECK LISTS AVAILABLE AND ARE THEY USED?

REF: NAVSEA SS600-AQ-MMO-010, MK-16 MOD 1

NAVSEA SS600-AH-MMA-010, MK-16 MOD 0

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

---

3. (B1B1) IF USING THE LUXFER 6.1 CUFT INFLATION BOTTLE WITH MK-11 BCD, IS THE CYLINDER LABELED "NOT LOMU CERTIFIED?"

REF: EOD PMS TECH NOTES 05-0007

NAVSEA/OOC Authorized for Military Use (AMU)

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

---

4. (B1B2) ARE THE MK-11 BCD PRE-DIVE AND POST-DIVE CHECK LISTS AVAILABLE, AND ARE THEY USED?

REF: MK 11 MOD 0 O&M Manual

Applicable PMS

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

---

5. (B1B3) ARE THE MK-48 FFM PRE-DIVE AND POST DIVE CHECK LISTS AVAILABLE, AND ARE THEY USED?

REF: Manufacturer's Tech Manual

Applicable PMS

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

---

6. (B1C0) IS THE MK-16 UBA DIVING SUPERVISOR'S CHECK LIST BEING USED?  
REF: U.S. Navy Dive Manual  
NAVSEA SS600-AQ-MMO-010, MK-16 MOD 1  
NAVSEA SS600-AH-MMA-010, MK-16 MOD 0

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

---

7. (B1D0) ARE REENTRY CONTROL SHEETS COMPLETED FOR ENTRY INTO REC BOUNDARIES?  
REF: NAVSEA SS600-AH-MMA-010, MK-16 MOD 0  
NAVSEA SS600-AQ-MMO-010, MK-16 MOD 1

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

---

8. (B1E0) IS ALL MK-16 EQUIPMENT COVERED BY PMS/MAINTENANCE?  
REF: NAVSEAINST 4790.8 Series  
Applicable PMS

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

---

9. (B1I0) IS A MAINTENANCE RECORD PACKAGE MAINTAINED FOR EACH MK 16 UBA AND AND DOES IT CONTAIN THE FOLLOWING:  
A. NAVSEA CERTIFICATION LETTER  
B. MK-16 STATUS PRINTOUT. PAGE 4-5  
C. MAINTENANCE LOG SHEETS. PAGE 4-6  
D. COPIES OF REC'S AND FAR'S. PAGE 4-5  
E. MOST RECENT INITIAL SETUP, PRE/POST DIVE CHECKLISTS AND MK-11 BCD AND FFM PRE/POST DIVE CHECKLISTS?  
REF: NAVSEA SS600-AH-MMA-010, MK-16 MOD 0  
Applicable PMS  
NAVSEA SS600-AQ-MMO-010, MK-16 MOD 1

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

---

10. (B1J0) ARE FAR FORMS FORWARDED ELECTRONICALLY FOR MK-16 MOD 0 TO PMS-EOD AND NAVEODTECHDIV? ARE FARs FOR THE MK-16 MOD 1 REPORTED VIA THE PMS-EOD WEBSITE?  
REF: PMS-EOD\_22 MEMO, Dated 09 March 2004  
AIG 7603 Series

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

---

**B. MAINTENANCE**

11. (B2D0) IS HYGIENIC MAINTENANCE BEING PERFORMED ON HOSES AND MOUTHPIECE AND IS IT DOCUMENTED ON PMS?

REF: Applicable PMS

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

---

12. (B2E0) IS THE PMS CHECK FOR THE OXYGEN/DILUENT SYSTEM FLOW RATE AND RELATED MAINTENANCE BEING ACCOMPLISHED?

REF: Applicable PMS

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

---

13. (B2G0) IS THE PMS CHECK FOR TESTING THE OXYGEN/DILUENT REGULATORS AND RELATED MAINTENANCE BEING ACCOMPLISHED?

REF: Applicable PMS

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

---

14. (B2J0) ARE ONLY APPROVED LUBRICANTS BEING USED?

REF: Applicable PMS

NSTM 670

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

---

15. (B2K0) ARE THE O2 SENSOR'S OUTPUT VOLTAGE IAW PMS AND SERVICE LIFE DATE INSCRIBED AND LOGGED ON THE INITIAL SET UP CHECKLIST?

REF: NAVSEA SS600-AQ-MMO-010, MK-16 MOD 1

NAVSEA SS600-AH-MMA-010, MK-16 MOD 0

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

---

16. (B2L0) ARE THE PRIMARY BATTERIES AT THE PROPER VOLTAGE IAW PMS (80% OR 6V MINIMUM) AND LOGGED ON INITIAL SET UP, PRE-DIVE AND POST-DIVE CHECKLISTS AS APPLICABLE?

REF: NAVSEA SS600-AQ-MMO-010, MK-16 MOD 1  
NAVSEA SS600-AH-MMA-010, MK-16 MOD 0  
Applicable PMS

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

---

17. (B2O0) IS THE CANISTER LID, LIGHT GREEN FOAM COMPRESSION PAD, CANISTER BODY AND BOTH HYDROPHOBIC FILTERS FREE FROM DIRT AND DETERIORATION?

REF: NAVSEA SS600-AH-MMA-010, MK-16 MOD 0  
NAVSEA SS600-AQ-MMO-010, MK-16 MOD 1

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

---

18. (B2S0) ARE DILUENT BOTTLES PROPERLY IDENTIFIED AS TO THEIR GAS CONTENT? (HP AIR (AHP) / HELIUM/OXYGEN (HEO2) / OXYGEN (O2)?

REF: NAVSEA SS600-AQ-MMO-010, MK-16 MOD 1  
NAVSEA SS600-AH-MMA-010, MK-16 MOD 0

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

---

19. (B2W0) IS THE INTERIOR OF THE MK-16, PNEUMATIC AND ELECTRONIC SYSTEMS AND ALL DISPLAY CABLES FREE OF DIRT, CORROSION, DAMAGE AND DETERIORATION, AND ARE ALL SCREWS/NUTS TIGHT?

REF: NAVSEA SS600-AH-MMA-010, MK-16 MOD 0  
NAVSEA SS600-AQ-MMO-010, MK-16 MOD 1

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

---

20. (B2Z0) IS A MULTIMETER AVAILABLE TO CONDUCT PRIMARY BATTERY VOLTAGE TESTS?

REF: NAVSEA SS600-AQ-MMO-010, MK-16 MOD 1  
NAVSEA SS600-AH-MMA-010, MK-16 MOD 0  
Applicable PMS

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

---

21. (B3A0) ARE THE OXYGEN AND DILUENT BOTTLES HYDROSTATICALLY TESTED (EVERY 5 YEARS)?

REF: Applicable PMS

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

---

22. (B3A1) ARE THE INFLATION BOTTLES/INCONEL BOTTLES HYDROSTATICALLY TESTED?

REF: Applicable PMS

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

---

23. (B3K0) ARE THE PMS REQUIREMENTS FOR THE MK-24 MOD 0 FFM BEING ACCOMPLISHED?

REF: Applicable PMS

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

---

24. (D3K0) IS MAINTENANCE BEING PERFORMED ON DIVER TIMER DEPTH GUAGES (DTDG), ARE COMPARATIVE ACCURACY TESTS BEING PERFORMED, AND ARE RESULTS DOCUMENTED AND AVAILABLE FOR REVIEW?

REF: Applicable PMS

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

---

#### C. OXYGEN TRANSFER PUMP

25. (D1B0) ARE THE RELIEF VALVES TESTED EVERY 36 MONTHS?

REF: Applicable PMS

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

---

26. (D1C0) ARE COMPARATIVE ACCURACY CHECKS PERFORMED ON THE OXYGEN AND DILUENT OUTLET PRESSURE GAGES EVERY 24 MONTHS?

REF: Applicable PMS

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

---

27. (D1G0) ARE FLEXIBLE CHARGING HOSES PROOF TESTED PRIOR TO INITIAL INSTALLATION?

REF: Applicable PMS

NAVSEA S6430-AE-TED-010

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

---

28. (D1H0) ARE OPERATING AND EMERGENCY PROCEDURES (OPS/EPS) FOR THE GTS AND MK-23 MOD O OTPA AVAILABLE/IN USE?

REF: Operations and Maintenance Manual

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

---

29. (D1I0) DO ALL FLEXIBLE HOSES HAVE A PROPER STRAIN RELIEF DEVICE ATTACHED?

REF: U.S. Navy Dive Manual

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

---

30. (D1J0) ARE RE-ENTRY CONTROL PROCEDURES FOLLOWED, AND IS THE REC LOG AVAILABLE? IF CONTRACTED OUT, WORK PACKAGES MUST BE RETAINED AND PMS DOCUMENTED.

REF: Applicable PMS

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

---

#### D. CO2 ABSORBENT

31. (B2T0) HAS THE CO2 ABSORBENT WITHIN ITS SHELF LIFE? (30 DAY BUCKET 14 DAYS IN PROPERLY SEALED CANISTER)

REF: NAVSEA SS600-AQ-MMO-010, MK-16 MOD 1

NAVSEA SS600-AH-MMA-010, MK-16 MOD 0

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

---

32. (B2U0) IS A WELL-VENTILATED AREA AVAILABLE FOR FILLING CO2 SCRUBBER CANISTERS WITH CO2 ABSORBENT?

REF: OPNAVINST 5100.23 Series  
OPNAVINST 5100.19 Series

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

---

33. (B2V0) IS PERSONAL PROTECTIVE EQUIPMENT (GLOVES/EYE PROTECTION) AVAILABLE TO PERSONNEL WHEN FILLING CO2 SCRUBBER CANNISTERS?

REF: NAVSEA SS600-AQ-MMO-010, MK-16 MOD 1  
OPNAVINST 5100.23 Series  
NAVSEA SS600-AH-MMA-010, MK-16 MOD 0  
OPNAVINST 5100.19 Series

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

---

#### E. BOUYANCY COMPENSATORS

34. (B3A2) ARE THE MK-11 FIRST STAGE REGULATORS TESTED FOR PROPER OUTPUT PRESSURE (120-140 PSI)?

REF: Applicable PMS

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

---

35. (B3B0) DOES THE HARNESS ASSEMBLY HAVE A PROPER AND TIGHT BUCKLE, RETAINER PINS, AND WEBBING FREE OF EXCESSIVE WEAR OR CUTS?

REF: MK 11 MOD 0 O&M Manual  
NAVSEA SS600-AQ-MMO-010, MK-16 MOD 1  
Applicable PMS  
NAVSEA SS600-AH-MMA-010, MK-16 MOD 0

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

---

#### F. O2 SYSTEMS

36. (B3D0) ARE FLOW METERS LABELED NCR AND THE FOLLOWING TEST KIT GAUGES CALIBRATED? (ie. BOTTLE GUAGES, REGULATOR OVERBOTTOM, HYDROSTATIC SWITCHOVER TEST GAUGES)

REF: Applicable PMS

C R NA UA  
☐ Repeat  
☐ Significant  
☐ PMS

---



37. (B3E0) ARE O2 SAFE AREA PROCEDURES AND PRECAUTIONS POSTED AND BEING OBSERVED?

REF: NAVSEA SS600-AH-MMA-010, MK-16 MOD 0

NAVSEA SS600-AQ-MMO-010, MK-16 MOD 1

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

---

38. (B3F0) IS THE SAFE AREA CLEARLY MARKED: "RESTRICTED - O2 SAFE AREA", "NO SMOKING, EATING OR DRINKING"?

REF: MIL -STD- 1330

OPNAVINST 5100.23 Series

OPNAVINST 5100.19 Series

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

---

39. (B3G0) ARE ALL TOOLS CLEAN AND DESIGNATED FOR "O2 USE ONLY"?

REF: MIL -STD- 1330

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

---

# MK 16 UBA

COMMAND NAME:

LOCATION:

UIC:

DATE:

SURVEYOR(S):

NO. COMPLETE:

NO. REQ ACTION:

NOT APPLICABLE:

Q #	Question	Result				Sig	Rep	PMS
1	5MUB1A0	C	R	N	U			
2	5MUB1B0	C	R	N	U			
3	5MUB1B1	C	R	N	U			
4	5MUB1B2	C	R	N	U			
5	5MUB1B3	C	R	N	U			
6	5MUB1C0	C	R	N	U			
7	5MUB1D0	C	R	N	U			
8	5MUB1E0	C	R	N	U			
9	5MUB1I0	C	R	N	U			
10	5MUB1J0	C	R	N	U			
11	5MUB2D0	C	R	N	U			
12	5MUB2E0	C	R	N	U			
13	5MUB2G0	C	R	N	U			
14	5MUB2J0	C	R	N	U			
15	5MUB2K0	C	R	N	U			
16	5MUB2L0	C	R	N	U			
17	5MUB2O0	C	R	N	U			
18	5MUB2S0	C	R	N	U			
19	5MUB2W0	C	R	N	U			
20	5MUB2Z0	C	R	N	U			
21	5MUB3A0	C	R	N	U			
22	5MUB3A1	C	R	N	U			
23	5MUB3K0	C	R	N	U			
24	5MUD3K0	C	R	N	U			
25	5MUD1B0	C	R	N	U			
26	5MUD1C0	C	R	N	U			
27	5MUD1G0	C	R	N	U			
28	5MUD1H0	C	R	N	U			
29	5MUD1I0	C	R	N	U			
30	5MUD1J0	C	R	N	U			
31	5MUB2T0	C	R	N	U			
32	5MUB2U0	C	R	N	U			

33	5MUB2V0	C	R	N	U			
34	5MUB3A2	C	R	N	U			
35	5MUB3B0	C	R	N	U			
36	5MUB3D0	C	R	N	U			
37	5MUB3E0	C	R	N	U			
38	5MUB3F0	C	R	N	U			
39	5MUB3G0	C	R	N	U			